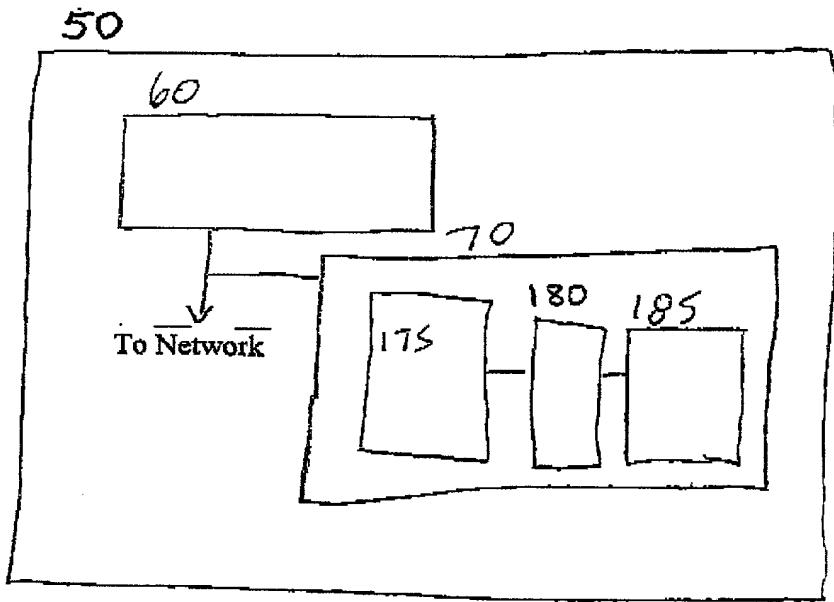
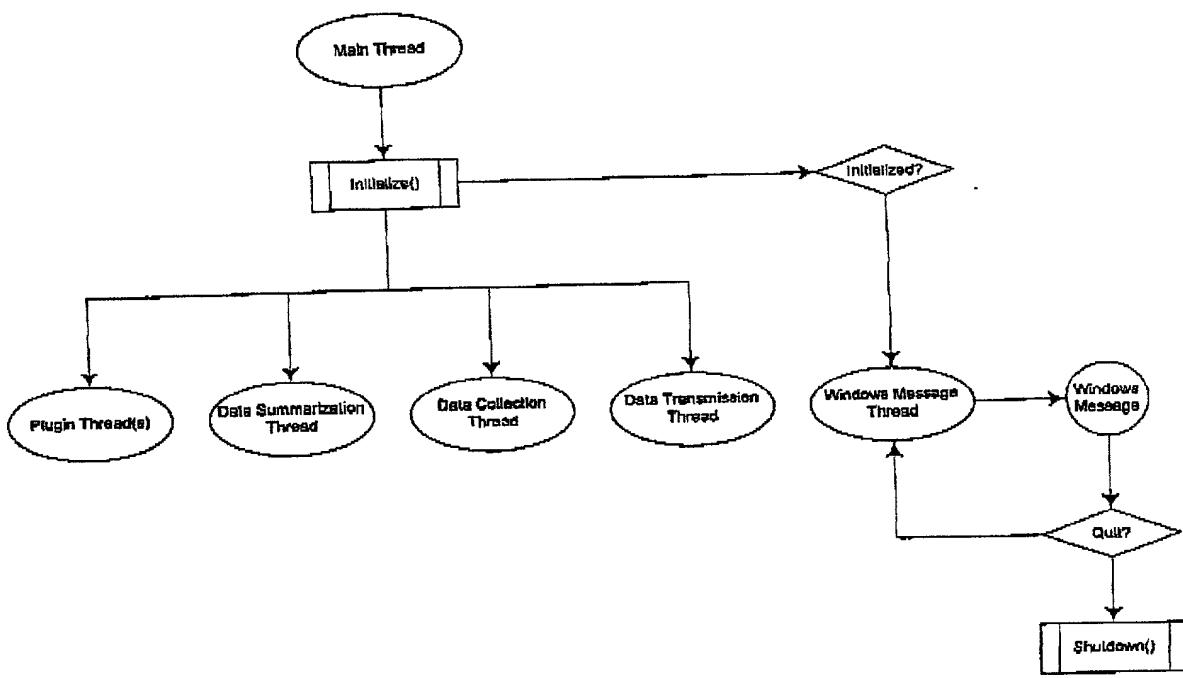


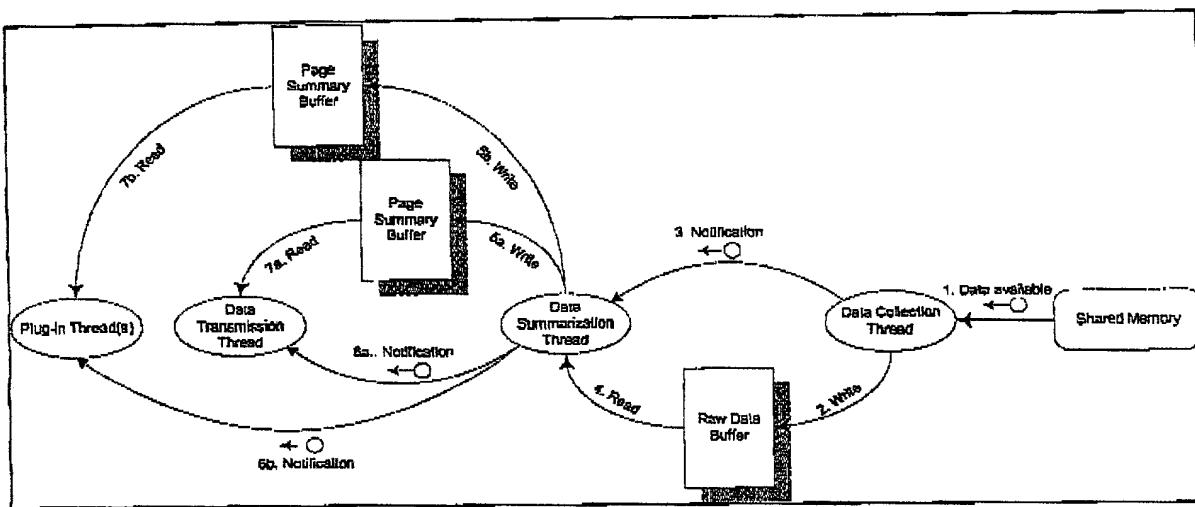
**Fig. 1**



**Fig. 2**



**Fig. 3**



**Fig. 4**

Packet Size: 1200  
pid: 340  
threadId: 368  
timeStamp: 952372115  
state: 2  
clientCookie.versionMajor: 1  
clientCookie.clientCookie.versionMinor: 2  
clientCookie.source: webHancer  
clientCookie.clientId: 3439438016167880896952357565  
clientPostCode:  
clientIpAddr: 167880896  
dnsLookupTime: 0  
connectionDelay: 10  
clientMaxAccessSpeed: 818000  
userAgent: Mozilla/4.0 (compatible; MSIE 5.0; Windows NT; DigExt)  
usingProxy: 1  
host: www.yahoo.com  
hostIpAddr: 3439438016  
httpMethod: 0  
target: /  
referer:  
httpResponse: 200  
numFramesetPages: 0  
numPageGets: 4  
numGetRequestsSent: 4  
numGetResponsesReceived: 4  
numOkResponses: 4  
numOkCachedResponses: 3  
numMovedPermanentlyResponses: 0  
numNotModifiedResponses: 0  
numNotFoundResponses: 0  
numSuccessResponses: 4  
numClientErrorResponses: 0  
numServerErrorResponses: 0  
numBytesSent: 1160  
numBytesReceived: 20070  
numApplicationBytes: 0  
numImageBytes: 7413  
numTextHtmlBytes: 11768  
numTextPlainBytes: 0  
numTextXmlBytes: 0  
numTextOtherBytes: 0  
numAudioBytes: 0  
numVideoBytes: 0  
numCachedBytes: 7413  
pageLoadTime: 932  
totalTransferTime: 1352  
totalNetworkRTT: 10  
totalConnectTime: 10  
totalDNSLookupTime: 0  
applicationTransferTime: 0  
audioTransferTime: 0  
imageTransferTime: 420  
textHtmlTransferTime: 932

Fig. 5A

```
textPlainTransferTime: 0
textXmlTransferTime: 0
textOtherTransferTime: 0
videoTransferTime: 0
contentThroughput: 14844.7
applicationThroughput: 0
audioThroughput: 0
imageThroughput: 17650
textHtmlThroughput: 12626.6
textPlainThroughput: 0
textXmlThroughput: 0
textOtherThroughput: 0
videoThroughput: 0
```

**Fig. 5B**

# Subscriber Database

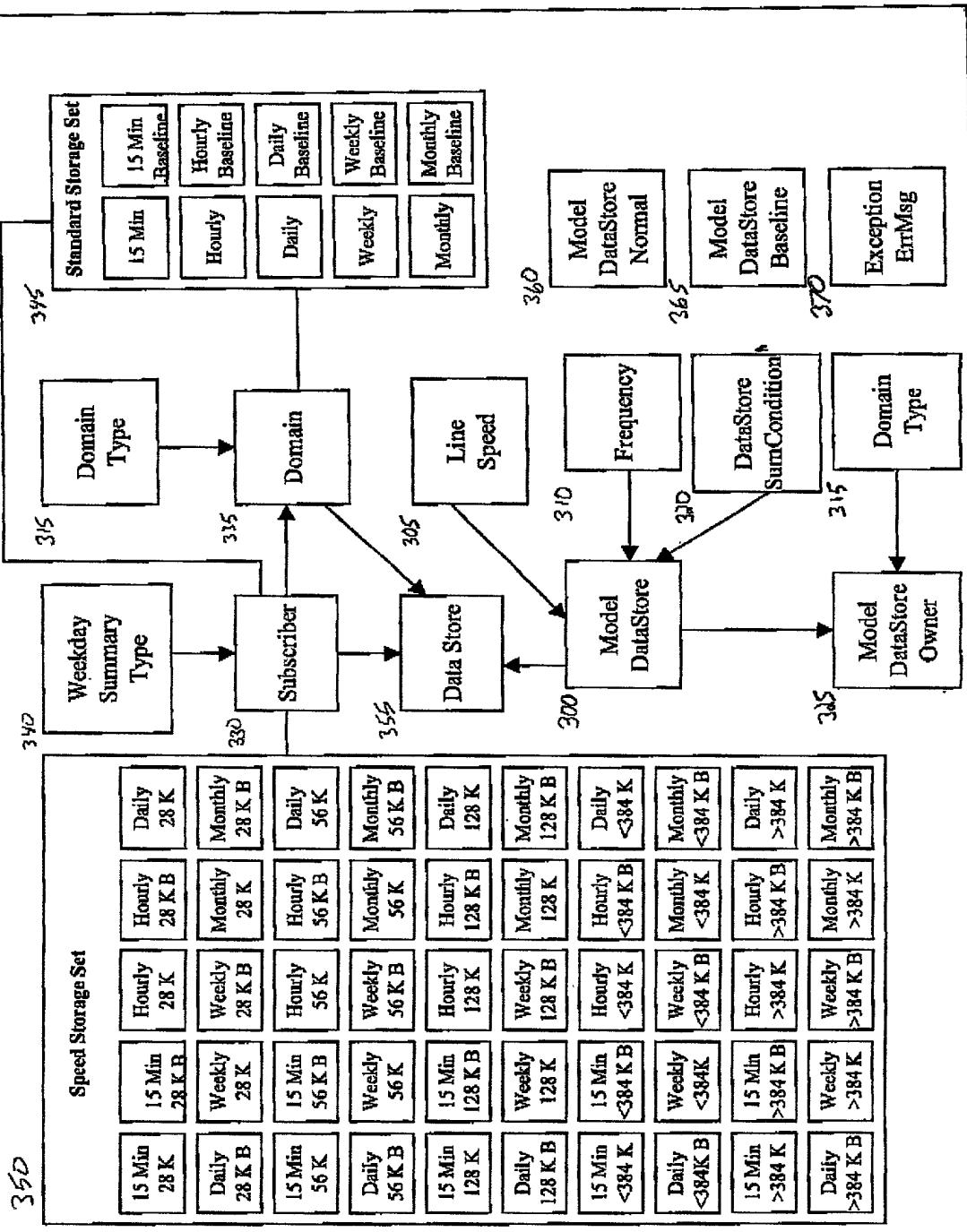


Fig. 6

## Database Summarization Process

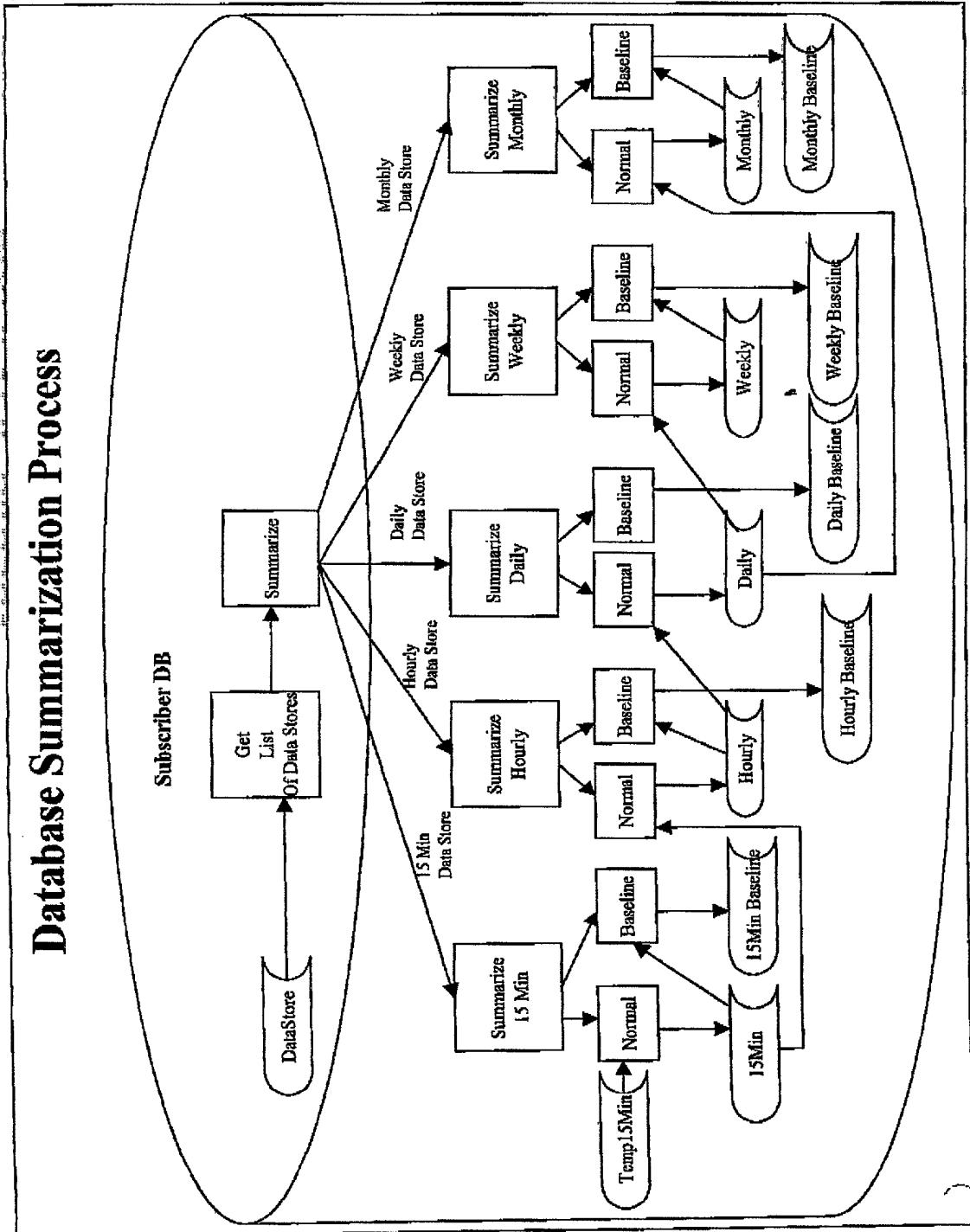


Fig. 7

## Dynamic Generation of Subscriber Database

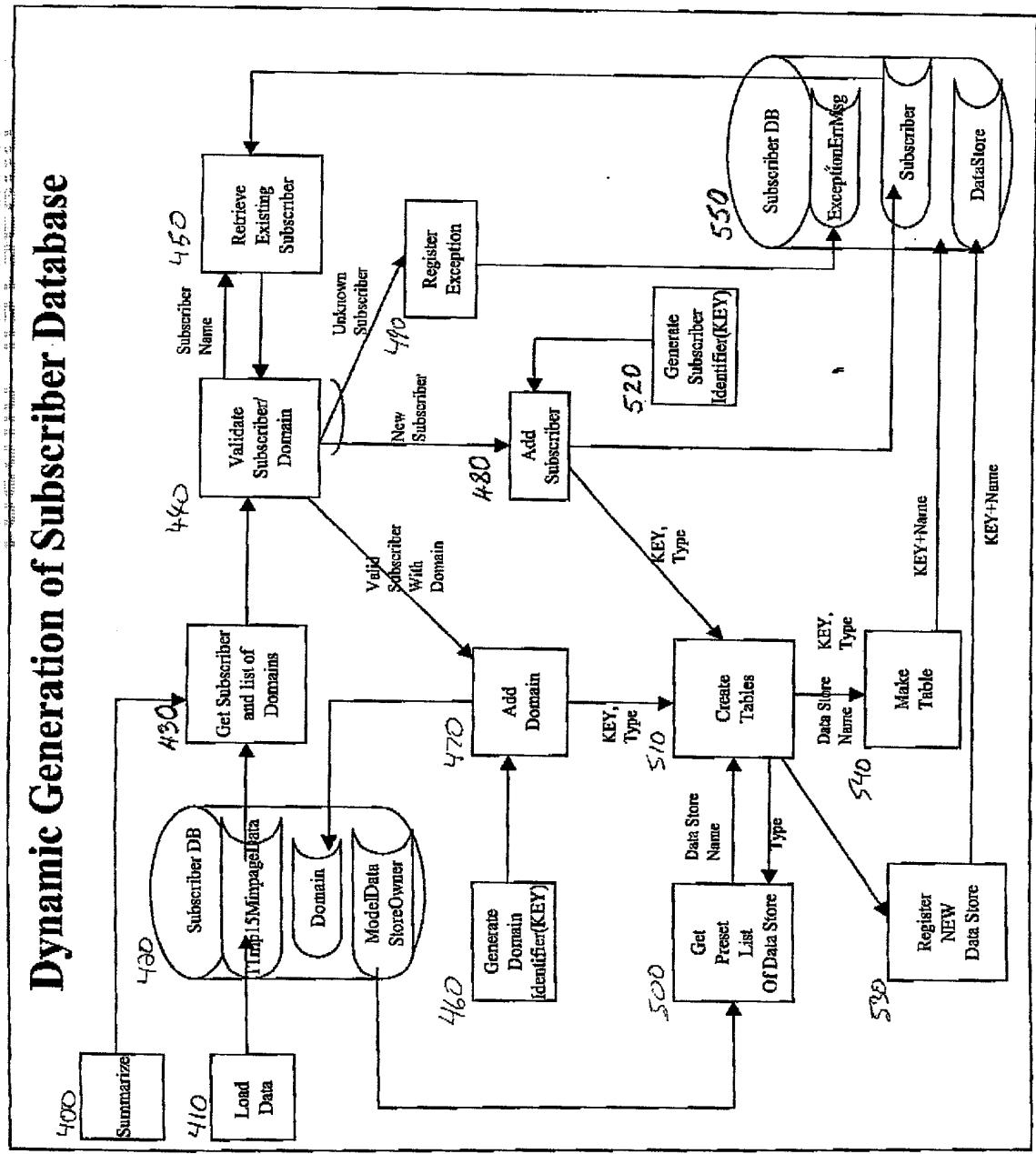


Fig. 8

## Data Access Path - Security

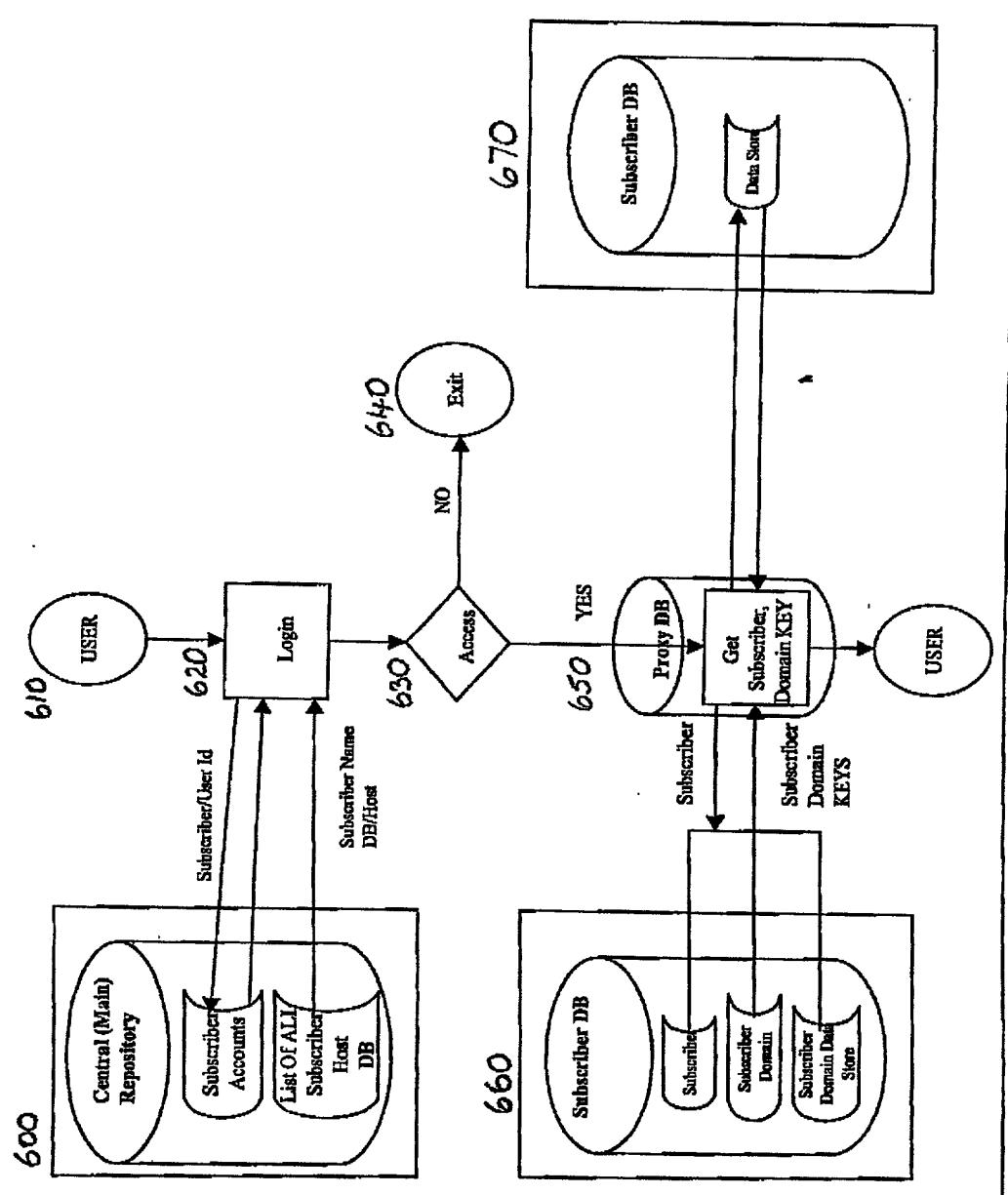


Fig. 9